

Appl. No. 10/657,131  
Amendment dated: August 22, 2005  
Reply to OA of: May 20, 20005

This listing of claims will replace all prior versions and listings of claims in the application.

**Listing of Claims:**

1(currently amended). A rocket motor insulation composition comprising:

(a) 50-95 parts by weight of a solid EPDM rubber, wherein said EPDM rubber represents ethylene propylene diene monomer rubber;

(b) 5-50 parts by weight of a liquid EPDM rubber whereby the weight parts of said liquid EPDM rubber and said solid EPDM rubber amount to 100 weight parts;

(c) 5-50 phr of polyaramide fiber, wherein phr represents parts by weight per 100 parts by weight of said solid EPDM rubber and said liquid EPDM rubber; and

(d) 5-50 phr of ammonium sulfate powder, wherein particles of said ammonium sulfate powder are encapsulated by only one layer of material, said one layer of material being a macromolecular rubber material to inhibit hydrophilic property of the particles; wherein said macromolecular rubber material is polyurethane.

2(original). The insulation composition as defined in claim 1 further comprising 5-100 phr of an inorganic filler, wherein said inorganic filler is silicon dioxide, aluminum hydroxide, or magnesium hydroxide.

3(original). The insulation composition as defined in claim 2 further comprising 4-8 phr of polyterpene resin as a tackifier.

4(original). The insulation composition as defined in claim 1 further comprising 0.1-5 phr of sulfur and 0.01-3 phr of a vulcanization accelerator, wherein said vulcanization accelerator is 4,4'-dithiodimorpholine, or N-tert-butyl-2-benzothiazole sulfenamide.